

Name _____ Hour _____

Review 5.4 Factoring

For 1 - 5, Factor each expression using the indicated method.

1. $24x^2z^3 + 16xz^2$ using the GCF 1. _____

2. $x^2 + 10x + 24$ using SW 2. _____

3. $9x^2 + 24x + 16$ using the PST method 3. _____

4. $25x^2 - 9$ using the DOS method 4. _____

5. $2x^2 - 11x + 15$ Guess and check 5. _____

In 6 - 20, factor completely.

6. $x^2 + 5x - 24$ 6. _____

7. $x^2 - 12x + 27$ 7. _____

8. $36x^2 - 25$ 8. _____

9. $x^2 - 6x + 9$ 9. _____

10. $4x^2 - 11x - 45$ 10. _____

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11. $2x^2 - 10x$

11. _____

12. $x^2y - 3x^2$

12. _____

13. $9x^2 - 6x + 1$

13. _____

14. $4x^2 - 81$

14. _____

15. $4x^2 - 17x + 18$

15. _____

16. $x^2 + 10x + 16$

16. _____

17. $x^2 - 6x + 8$

17. _____

18. $100x^2 - 1$

18. _____

19. $x^2 - 18x + 81$

19. _____

20. $4x^2 - 35x + 49$

20. _____